Mansoura University Faculty Of Engineering Textile Department	Textile Design and Manufacturing	Term Exam 3rd Year Time : 3 hrs

Answer all the following questions:

1) Innovate Kautshok weave (16*16).

2) Design balanced symmetrical twill (10*10).

3) Draw Fancy warp rip 8/4 by shifting and positive image, and separated by a thread .

4) Draw feather twill $\dfrac{3\quad 2}{1\quad 2}$ at threads (1,6),(14,20).

5) Design cut diamond twill $\dfrac{3\quad 1}{2\quad 1}$ and then deduce draft, lifting plan, and dunting.

6) Draw four repeat from diamond twill $\dfrac{4\quad 2}{2\quad 1}$ by similar draft and lifting plane at thread 12.

7) Design armur weave 3/3 seperated by two threads.

8) Design sheded sateen 7 move 4.

9) Design the basic structure of face and back pile of terry fabric.

10) Draw the basic structure of face to face velvet weave.

With best wishes,
Dr/Ahmed Samy.